

ABSTRACT

5 A web tensioning device utilizes a dancer arm which can be positioned by a controlled servo motor. In a preferred embodiment, the controller for the servo motor receives an input signal based on the acceleration (positive or negative) of the dancer arm and implements a torque component necessary to maintain predetermined web tension, for example; an applied torque component that changes the position of the dancer arm. The controller may also receive additional input signals indicative of the acceleration of the web itself.